

METHODS FOR EFFICIENT HOST PROCESSING OF DATA FILES SELECTED FOR  
RECORDING TO AN OPTICAL DISC MEDIA  
ABSTRACT OF THE DISCLOSURE

5           Methods for the processing of data files to be recorded on an optical disc are  
provided. In one example, a method includes the operations of examining a set of files  
selected to be recorded on an optical disc and then creating a record data structure for  
each file to be recorded. The files are sequenced in the order in which they will be  
written to the optical disc by use of pointers to the record data structures. The record  
10 data structures are then processed in the writing order creating an ordering data  
structure for each data file. The ordering data structures are processed to write the set  
of files onto the optical disc in the writing order. In another example, a computer  
readable media is provided having program instructions for recording data onto an  
optical disc. The program instructions process the files to be written by examining the  
15 set of files, creating the record data structures, generating the set of pointers  
associating the record data structures with a writing order, and producing the ordering  
data structures for each file in the set of files. The program instructions further include  
the operations of processing the ordering data structures and writing the set of files  
onto the optical disc in the writing order.

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